



Lynks Range



DATASHEET

SM3.6kWLLL/SM3.6kWPLL
SM6.0kWLLL/SM6.0kWPLL
SM8.0kWLLL/SM8.0kWPLL

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| Model | SM3.6kWLLL SM3.6kWPLL | SM6.0kWLLL SM6.0kWPLL | SM8.0kWLLL SM8.0kWPLL |
|--|--|------------------------------------|------------------------------------|
| Battery Input Parameters | | | |
| Supported Battery Type | LiFePO4 or Lead-Acid | | |
| Nominal Battery Voltage | 48V | | |
| Battery Input Voltage Range | 40~60V | | |
| Max. Charge Voltage | 60V (Configurable) | | |
| Max. Charge Current | 60A (Configurable) | 120A (Configurable) | 150A (Configurable) |
| Max. Discharge Current | 80A (Configurable) | 130A (Configurable) | 180A (Configurable) |
| Battery Capacity (Recommended) | 100~2000Ah | | |
| Charge for Li-Ion Battery Pack | Communicating with BMS of the Battery Pack | | |
| PV String Input Parameters | | | |
| Max. DC Input Power | 5000W | 8000W | 10000W |
| DC Input Voltage | 500V | | |
| MPPT Voltage Range | 120~450V | | |
| Start-Up Voltage | 150V | | |
| Max. Input Current | 15A (1 MPPT Channel) | 15A x 2 = 30A (2 MPPT Channels) | 23A x 2 = 46A (2 MPPT Channels) |
| AC Output Parameters (Back-Up)(Feed to Essential Load) | | | |
| Max. Output Power | 3600W | 6000W | 8000W |
| Max. Output Apparent Power | 3600VA | 6000VA | 8000VA |
| Peak Output Apparent Power | 7200VA | 12000VA | 16000VA |
| Max. Output Current | 16A | 26A | 36A |
| Nominal Output Voltage | 220/230/240Vac Single-Phase (Configurable) | | |
| Nominal Output Frequency | 50/60Hz (+/-0.2%) (Configurable) | | |
| Max. Bypass Current | 40A | | 42A |
| Shift Time (Bypass and Inverter) | 10ms | | |
| Output THDv (Resistor Load) | <3% | | |
| AC Input Parameter (On-Grid)(Bypass to Essential Load & Charge the Battery/Feed to Home Load) | | | |
| Max. Input Power (Bypass to Essential Load/Charge the Battery) | 3600W | 6000W | 8000W |
| Max. Output Power (Feed to Home Load) | 3600W | 6000W | 8000W |
| Max. Apparent Input Power (Bypass to Essential Load/Charge the Battery) | 3600VA | 6000VA | 8000VA |

| Model | SM3.6kWLLL SM3.6kWPLL | SM6.0kWLLL SM6.0kWPLL | SM8.0kWLLL SM8.0kWPLL |
|--|--|--------------------------|--------------------------|
| AC Input Parameter (On-Grid)(Bypass to Essential Load & Charge the Battery/Feed to Home Load) | | | |
| Max. Apparent Output Power (Feed to Home Load) | 3600VA | 6000VA | 8000VA |
| Nominal Input/Output Voltage | 220/230/240Vac Single-Phase (Auto Adjusted to Fit Home Grid) | | |
| Nominal Input/Output Frequency | 50/60Hz (Auto Adjusted to Fit Home Grid) | | |
| Max. Bypass Current | 40A | | 42A |
| Shift Time (Bypass and Inverter) | 10ms | | |
| Efficiency | | | |
| Max. Efficiency | 97.6% | | |
| Max. Battery to Load Efficiency | 94.0% | | |
| Europe Efficiency | 97.6% | | |
| MPPT Efficiency | 99.9% | | |
| Protection | | | |
| Integrated | Battery Over-Charge Protection, Battery Low-Voltage Protection, Over-Temperature Protection, Output Overload Protection, Output Short Circuit Protection, Output Over-Voltage Protection | | |
| Compliances | | | |
| EMC/Safety Regulation | IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC 61727, IEC 62116, IEC 61683, IEC 60068 | | |
| General Information | | | |
| Operating Temperature Range | -20°C ~ +50°C (>35°C Derating) | | |
| Protection Degree | IP41 | | |
| Dimension | 450x403x141mm | 514x420x140mm | 570x525x140mm |
| Weight | 10.5kg | 16.1kg | 24.5kg |



Contact Us

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